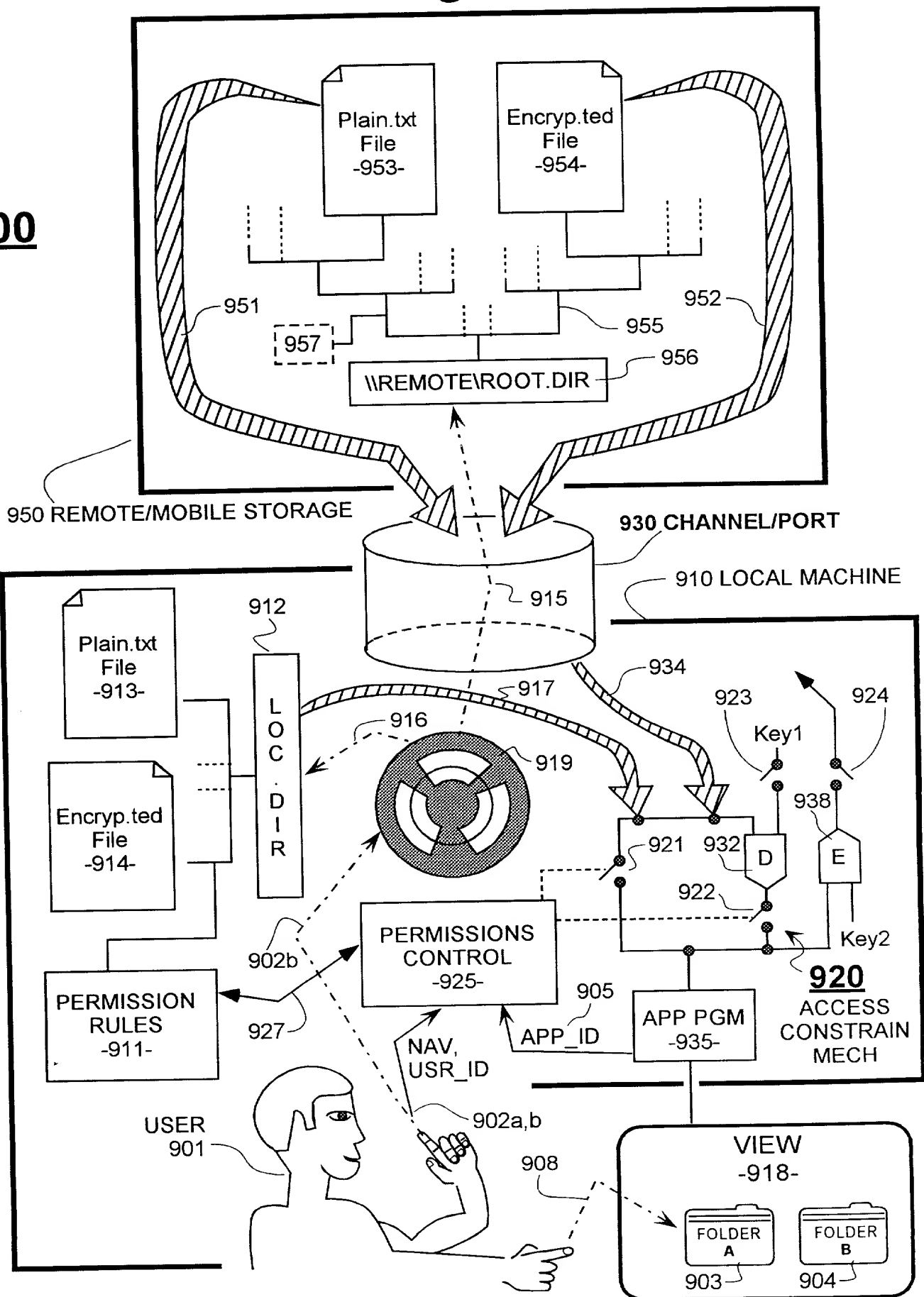
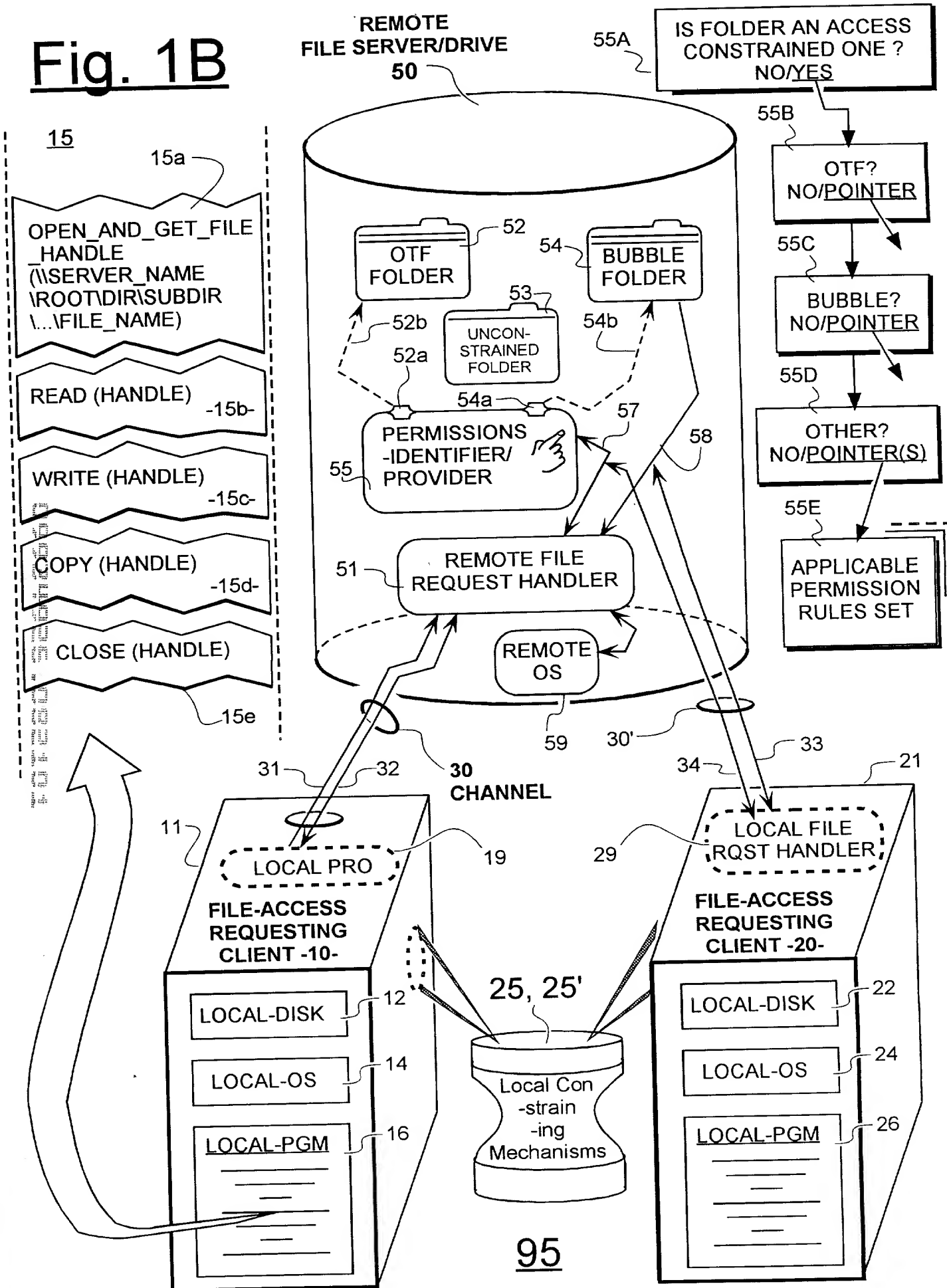


# Fig. 1A

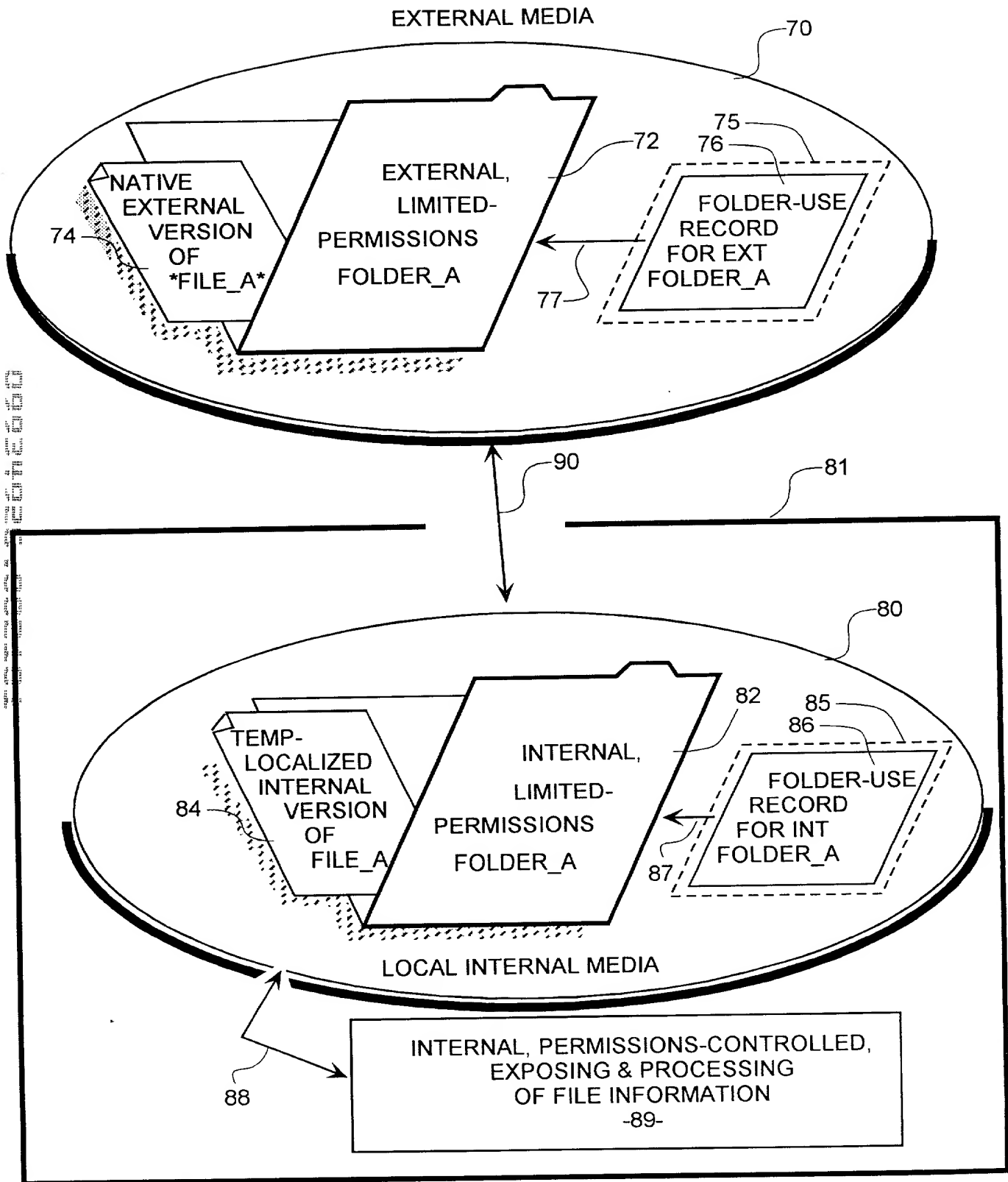
**900**



# Fig. 1B



# Fig. 1C



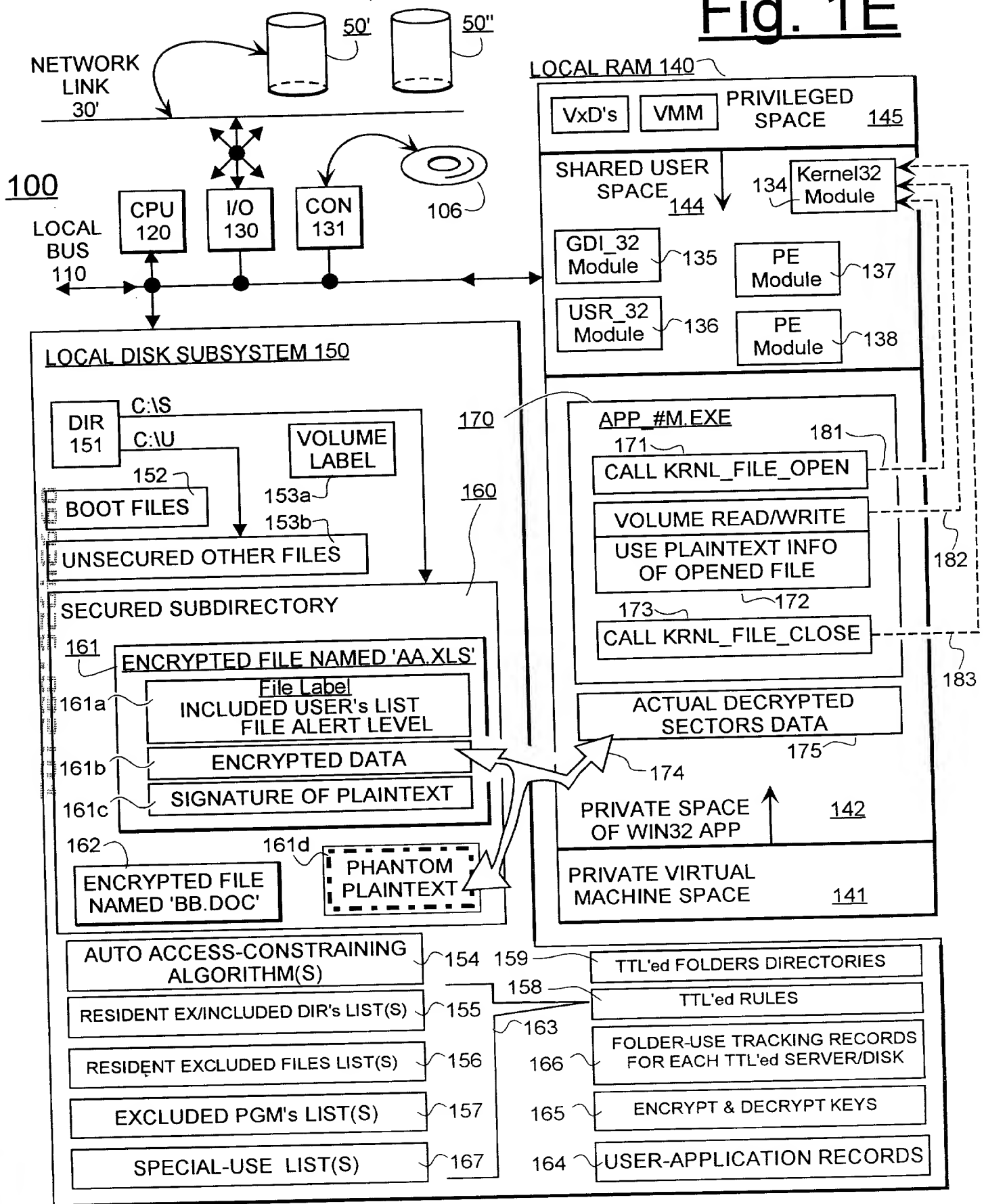
# Fig. 1D

60

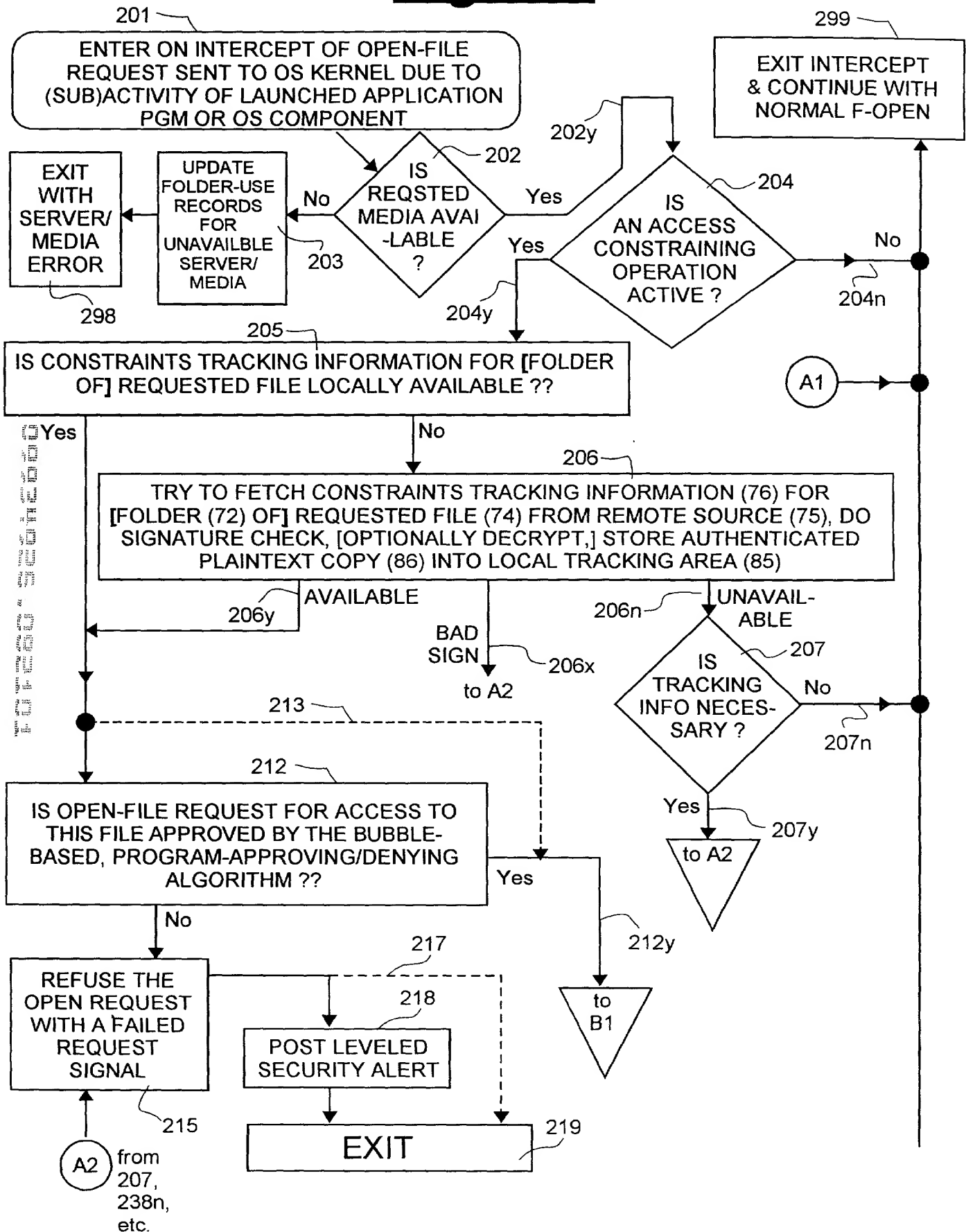
## FOLDER-USE RECORD

61	FULL PATHNAME OF LOCAL VERSION OF ACCESS-CONSTRAINED FOLDER (\\MACHINE\VOLUME\DIR\.....\SUBDIR)		61a	61c
61b	<input type="checkbox"/> NATIVE? <input type="checkbox"/> TEMPORARILY-LOCALIZED AND EXTERNAL ON-LINE?			
61d	FULL PATHNAME OF EXTERNAL, SOURCING ACCESS-CONSTRAINED FOLDER (\\SERVER\VOLUME\DIR\.....\SUBDIR)		<input type="checkbox"/> NATIVE & IN USE BY OUTSIDE MIRROR(S)	
<b>TYPES OF ACCESS-CONSTRAINT APPLYING TO THIS FOLDER</b> (AT LEAST ONE IS CHECKED)				
62	<input type="checkbox"/> ON-THE-FLY RECRYPTION (OTF)			
63	<input type="checkbox"/> BI-DIRECTIONAL BUBBLE PROTECTION			
64	<input type="checkbox"/> OTHER			
<b>OTF CONTROL LIST(S)</b>				
66	<input type="checkbox"/> EXCLUDED FILES LIST			
67	<input type="checkbox"/> EXCLUDED PROGRAMS LIST			
68	<input type="checkbox"/> OTHER CONTROL INFO FOR THIS OTF-COVERED FOLDER			
<b>BUBBLE CONTROL LIST(S)</b>				
96	<input type="checkbox"/> FILES APPROVAL SPECIFICATIONS			
97	<input type="checkbox"/> PROGRAMS APPROVAL SPECIFICATIONS			
98	<input type="checkbox"/> OTHER CONTROL INFO FOR THIS BUBBLE-COVERED FOLDER			
93	<b>OTHER PERMISSION CONTROL LIST(S)</b>			
69	<b>AUTHORIZED USERS CONTROL LIST(S)</b> FOR THIS ACCESS-CONSTRAINED FOLDER			
99	<b>DIGITAL SIGNATURE</b> FOR NATIVE VERSION OF THIS FOLDER-USE RECORD			

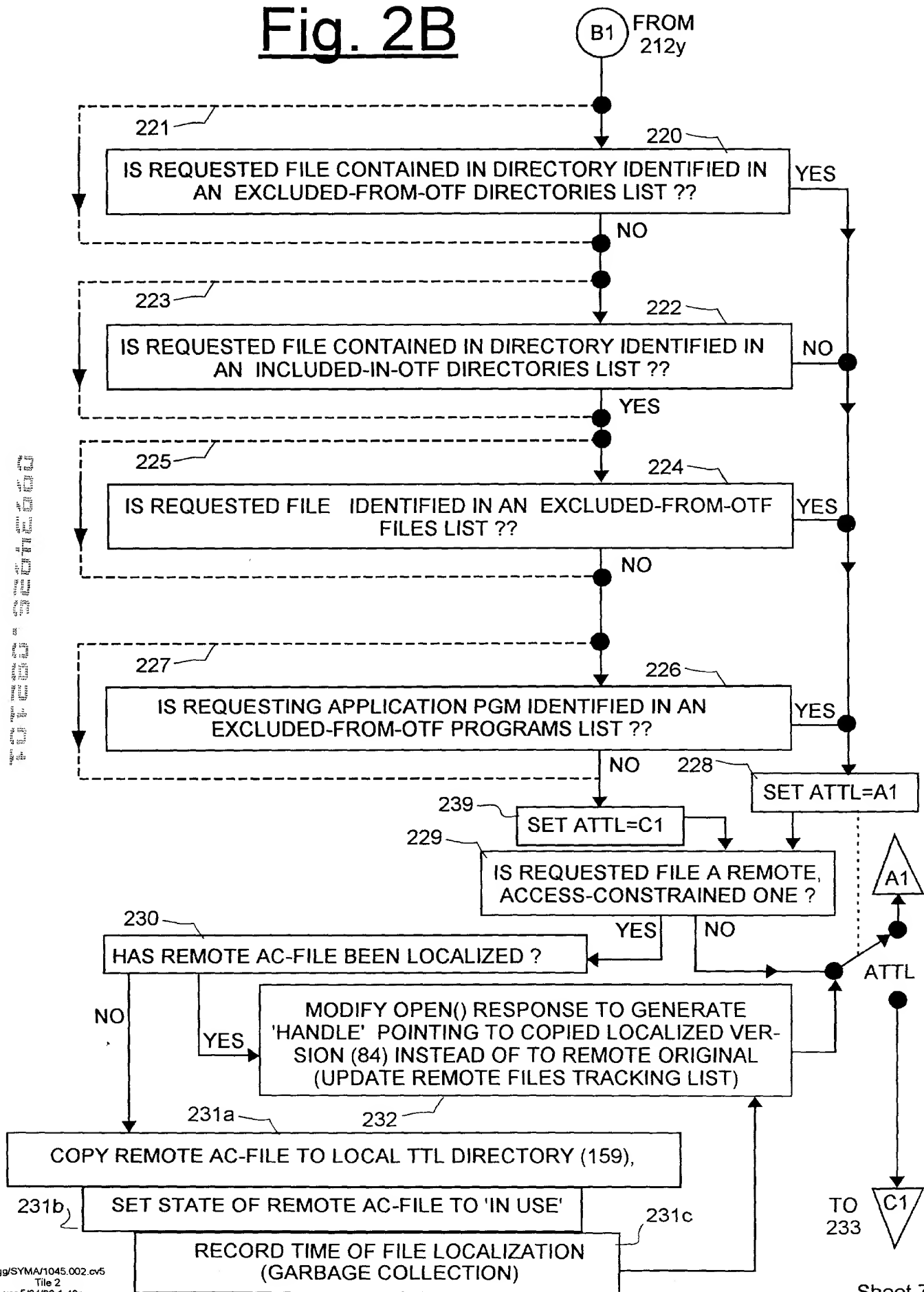
# Fig. 1E



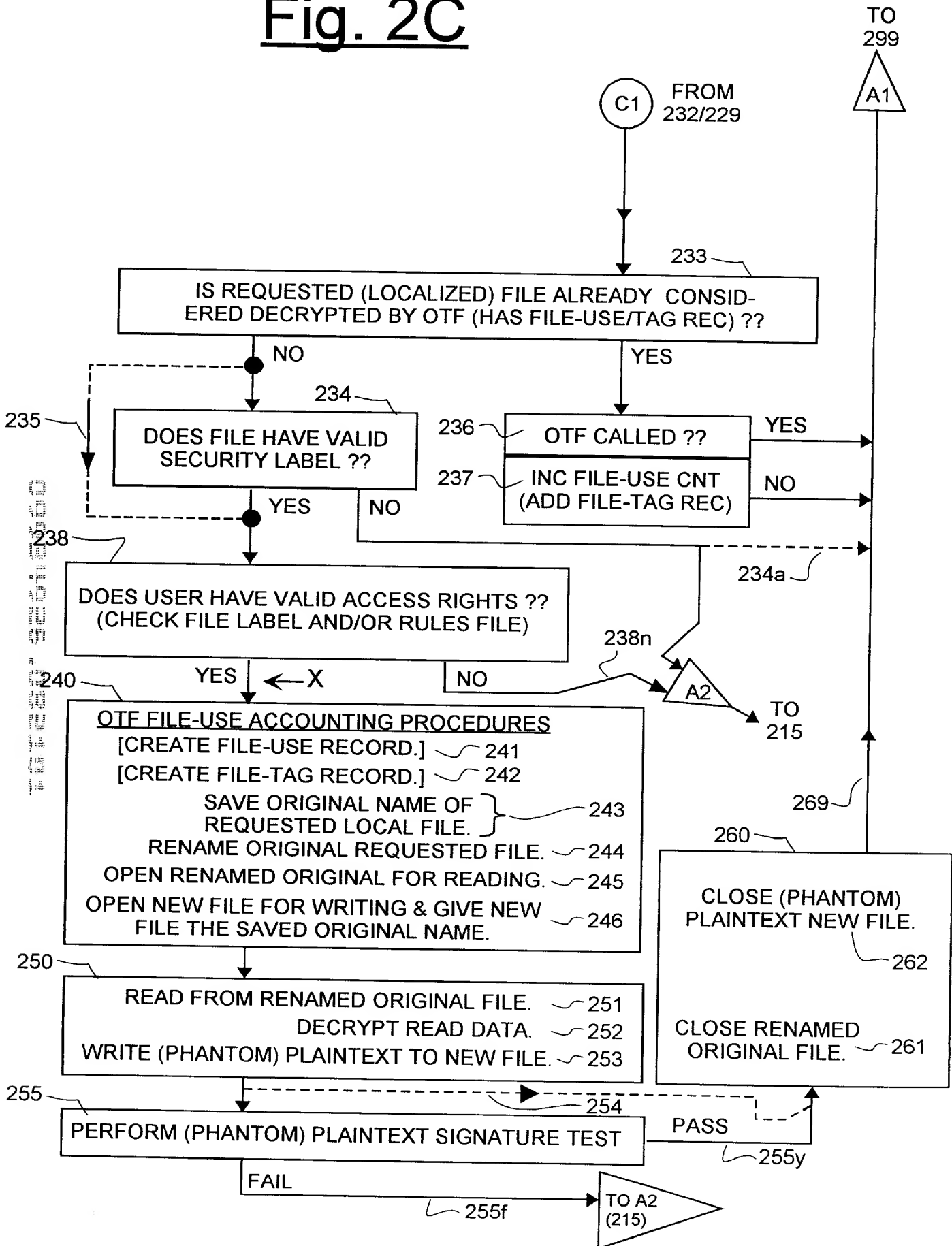
# 200 Fig. 2A



# Fig. 2B



# Fig. 2C





310 ORIGINAL PATHNAME OF LOCAL VERSION OF OTF-COVERED FILE

320 CURRENT STATE OF THE LOCAL FILE

- 321
- ☐ BEING PROCESSED BY LOCAL OTF ?
    - ☐ RENAME STILL IN PROGRESS
    - ☐ DECRYPT STILL IN PROGRESS
    - ☐ RE-ENCRYPT STILL IN PROGRESS
    - ☐ SCORCH OF PLAINTEXT STILL IN PROGRESS
    - ☐ UPDATE OF DIR ATTRIBUTES STILL IN PROGRESS
    - ☐ OTF HANDLING COMPLETE

- (322)
- ☐ FILE LABEL PRESENT & VALID
    - ☐ ACCESS RIGHTS HAVE BEEN CHECKED
    - ☐ RULES FILE MATCHES FILE LABEL

- 323
- ☐ PLAINTEXT MODIFIED BY USER ?

### 330 USAGE TRACKING

- 331
- ☐ USE-COUNT: (IN-USE BY 1+ LOCAL APP PROGRAMS?)

- (332)
- ☐ POINTER TO BIDIRECTIONALLY LINKED LIST OF PATHNAMES OF APPLICATIONS (LOCAL) STILL 'USING' THE PLAINTEXT FILE AND 'IDLE TIME' OF EACH SUCH APP

- (333)
- ☐ IDLE TIME LOCKOUT ACTIVE ?

- (334)
- ☐ DELAY OF POST-CLOSE DECRYPTION REQUESTED BY LOCAL APPLICATION?

- (335)
- ☐ POINTER TO BIDIRECTIONALLY LINKED LIST OF POST-CLOSE EVENTS TO WAIT FOR

### 340 ORIGIN TRACKING

- 341
- ☐ NEW NAME OF RENAMED & (NATIVE OR LOCALIZED) FILE

- 342
- ☐ ORIGINAL REMOTE PATHNAME OF LOCALIZED FILE

- 343
- ☐ TYPE OF MEDIA ON WHICH RENAMED & (NATIVE OR LOCALIZED) FILE ORIGINALLY SAT ON

☐ NATIVE VS. REMOTE

☐ FIXED VS. REMOVABLE

☐ RW VS. READ-ONLY

☐ IN VS. REMOVED

- 344
- ☐ STATUS OF CHANNEL TO MEDIA ON WHICH RENAMED & LOCALIZED FILE ORIGINALLY SAT ON

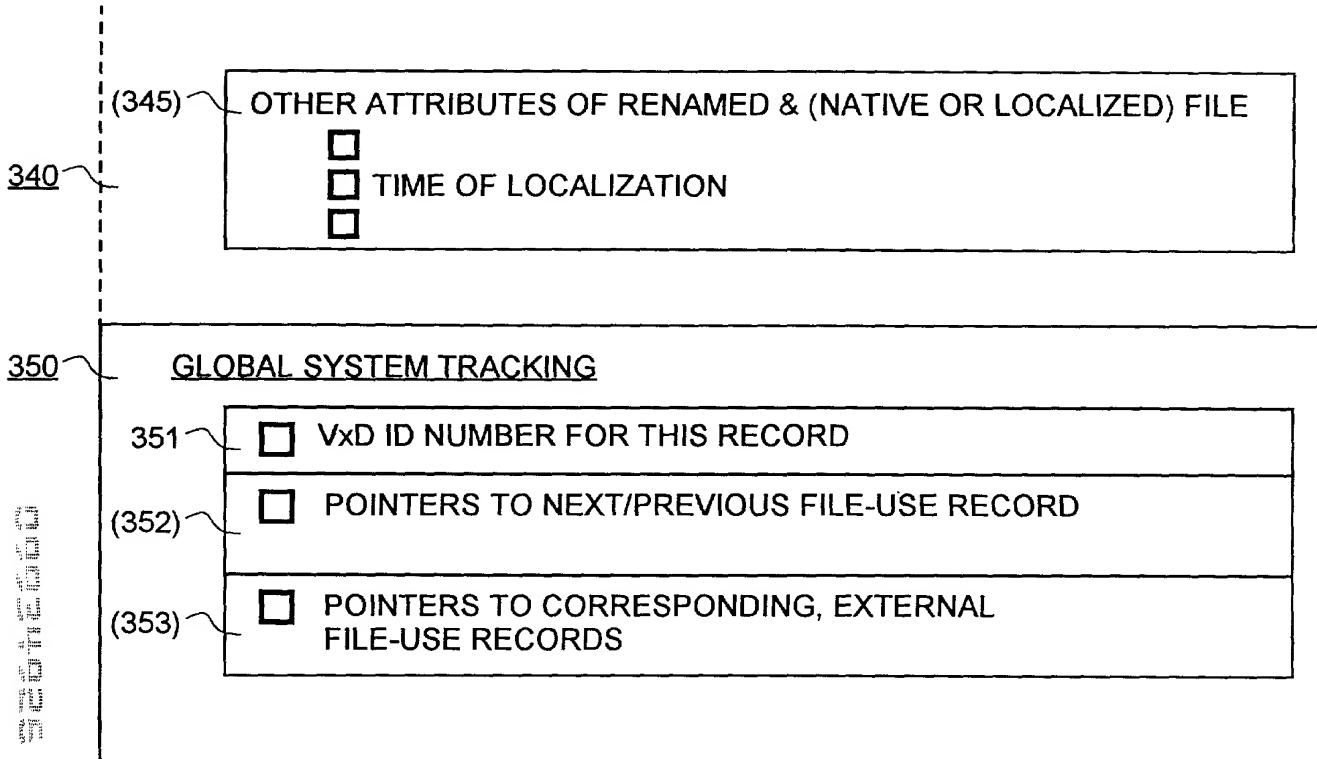
☐ TRUSTED VS. UNTRUSTED

☐ UP VS. DOWN

# Fig. 3B

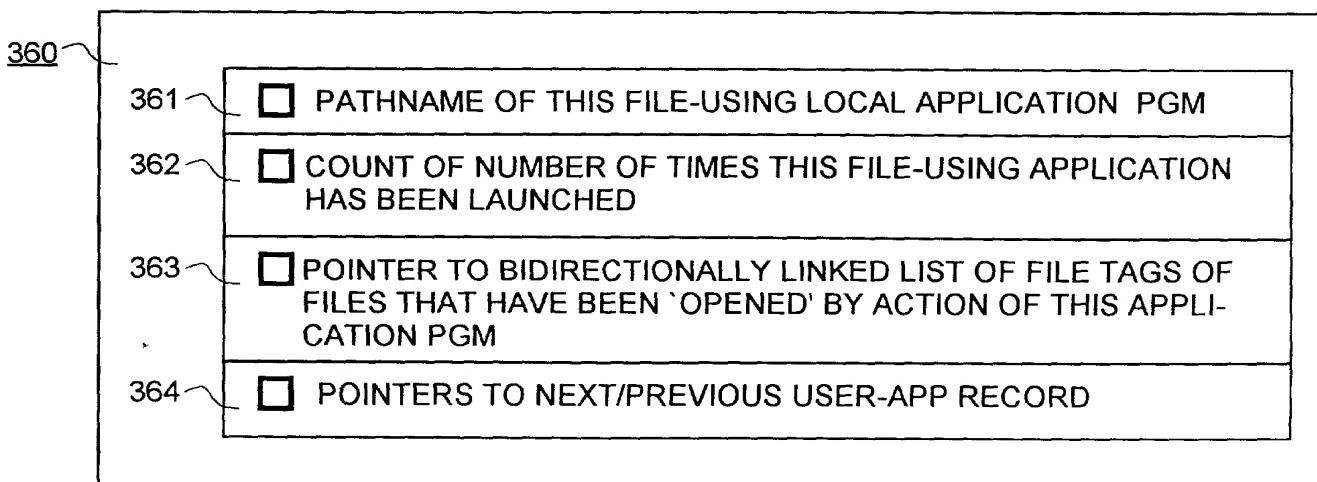
300

## FILE-USE RECORD (CONTINUED)



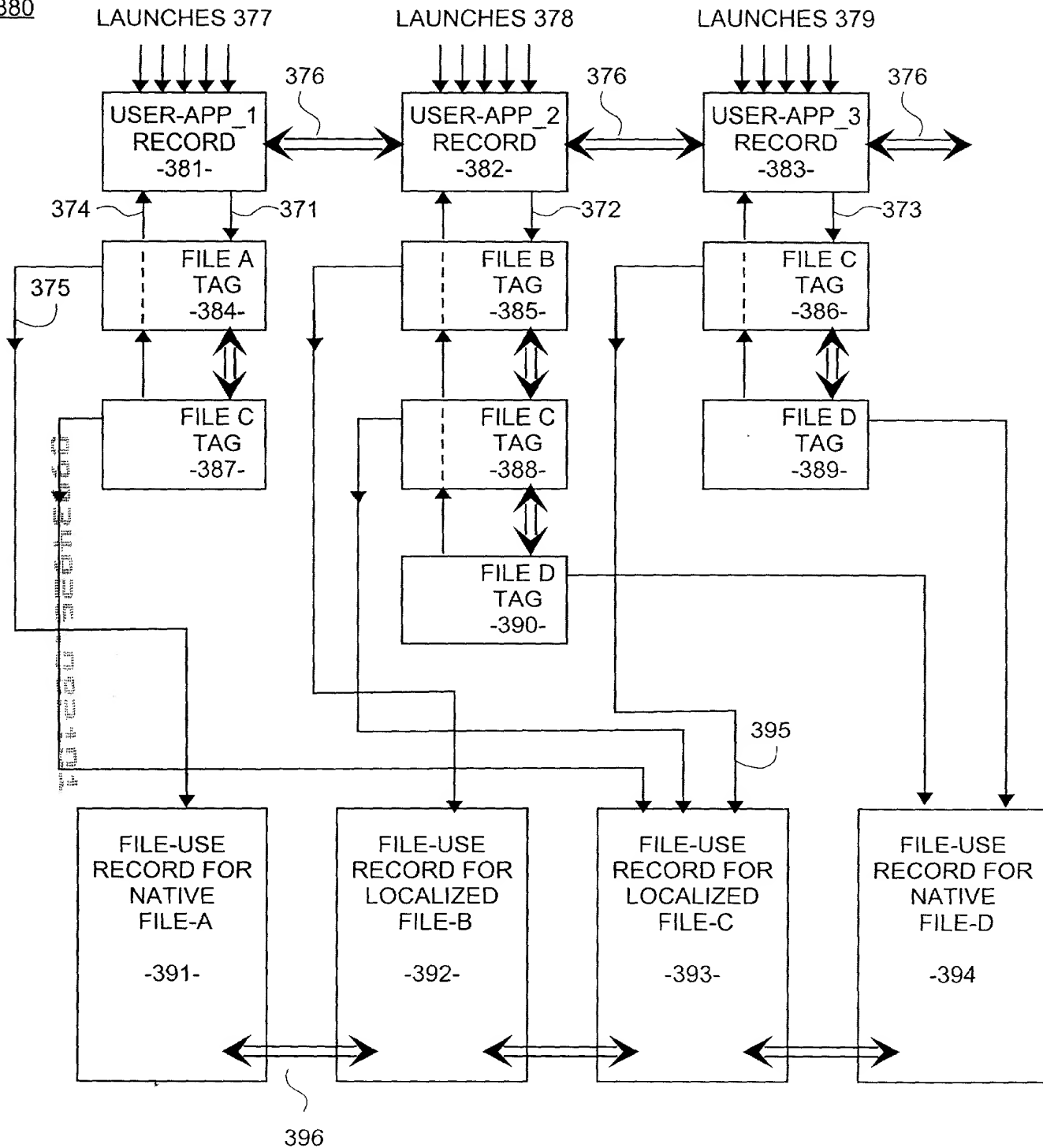
# Fig. 3C

## USER-APPLICATION RECORD

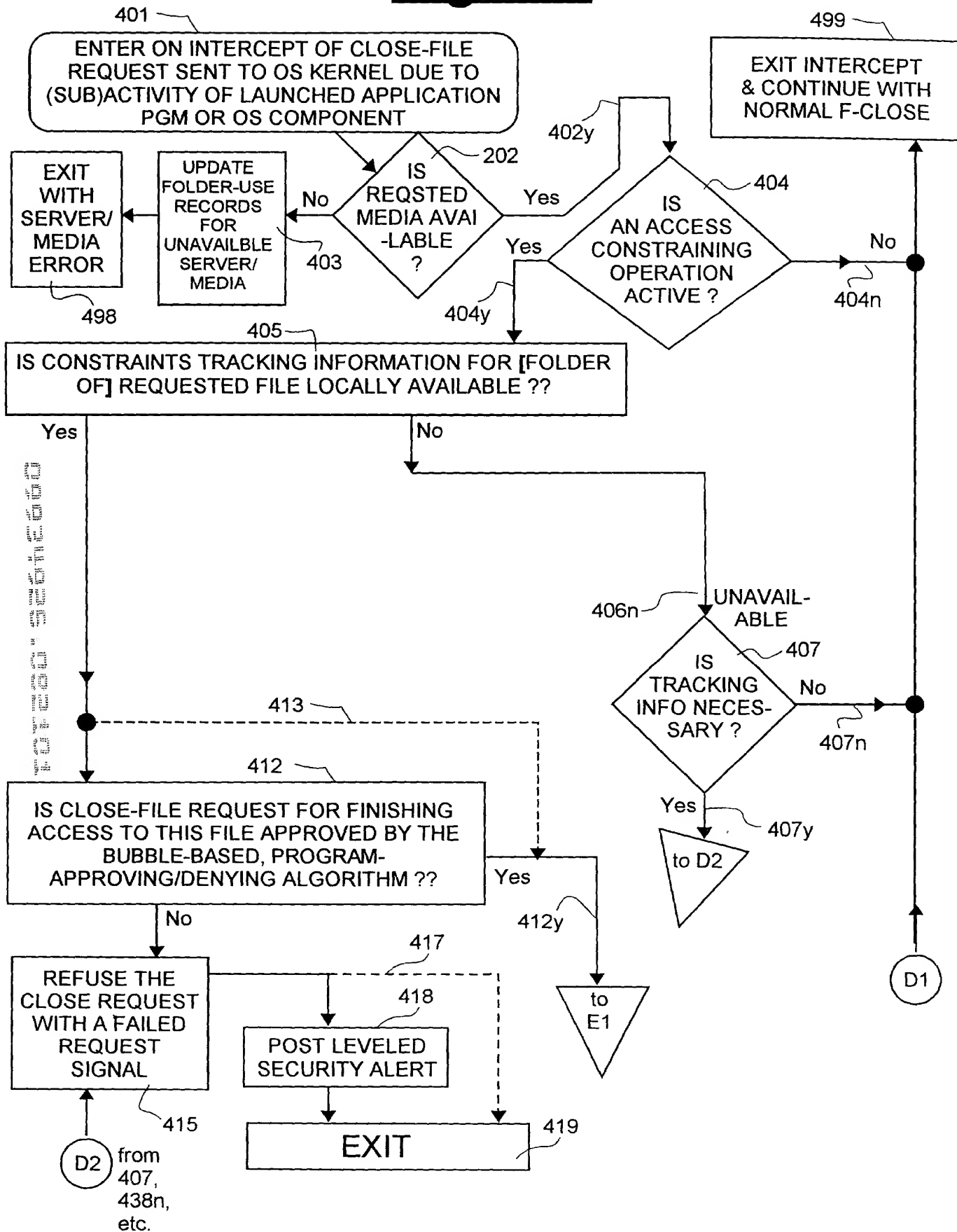


# Fig. 3D

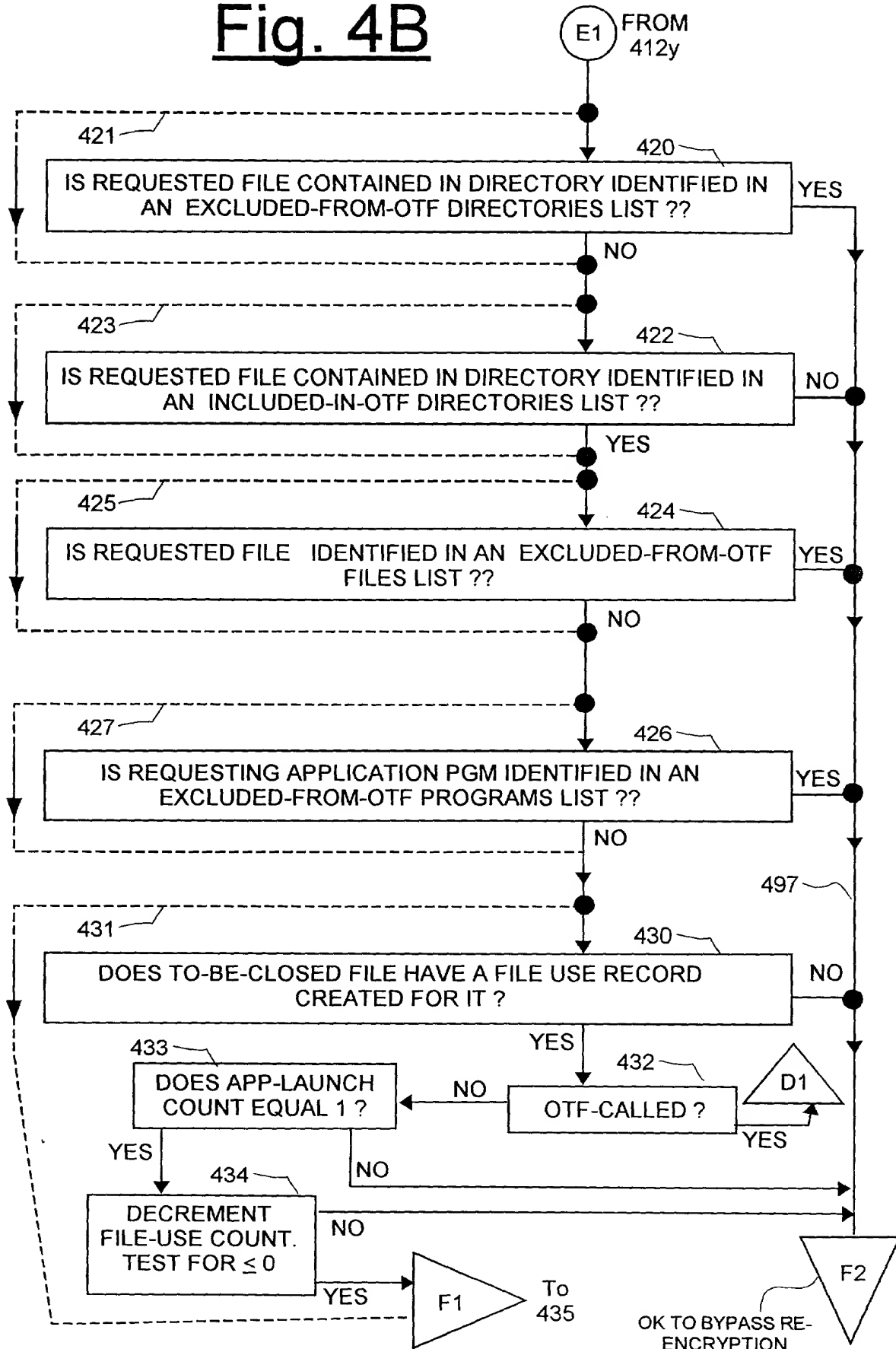
380



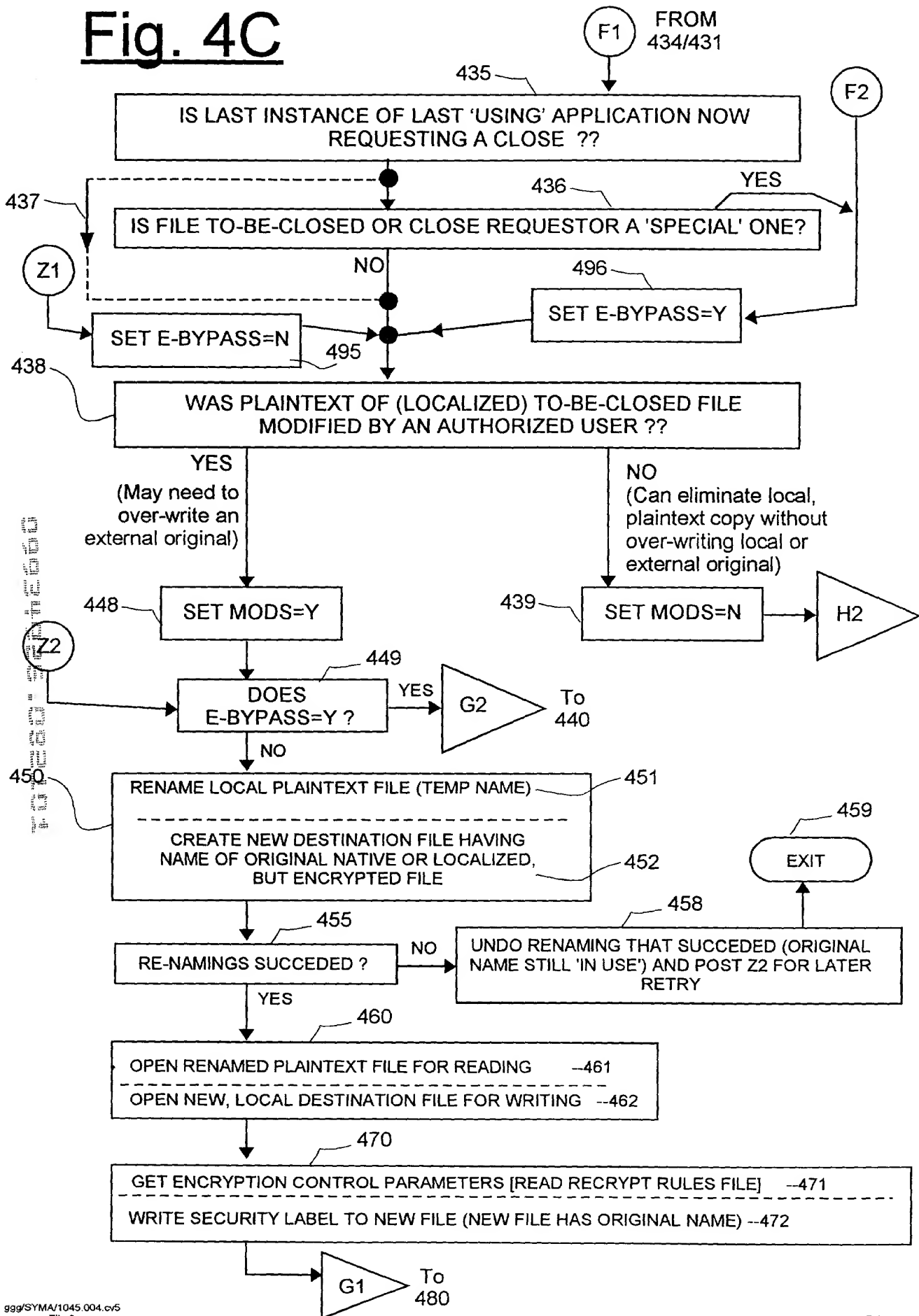
# 400 Fig. 4A



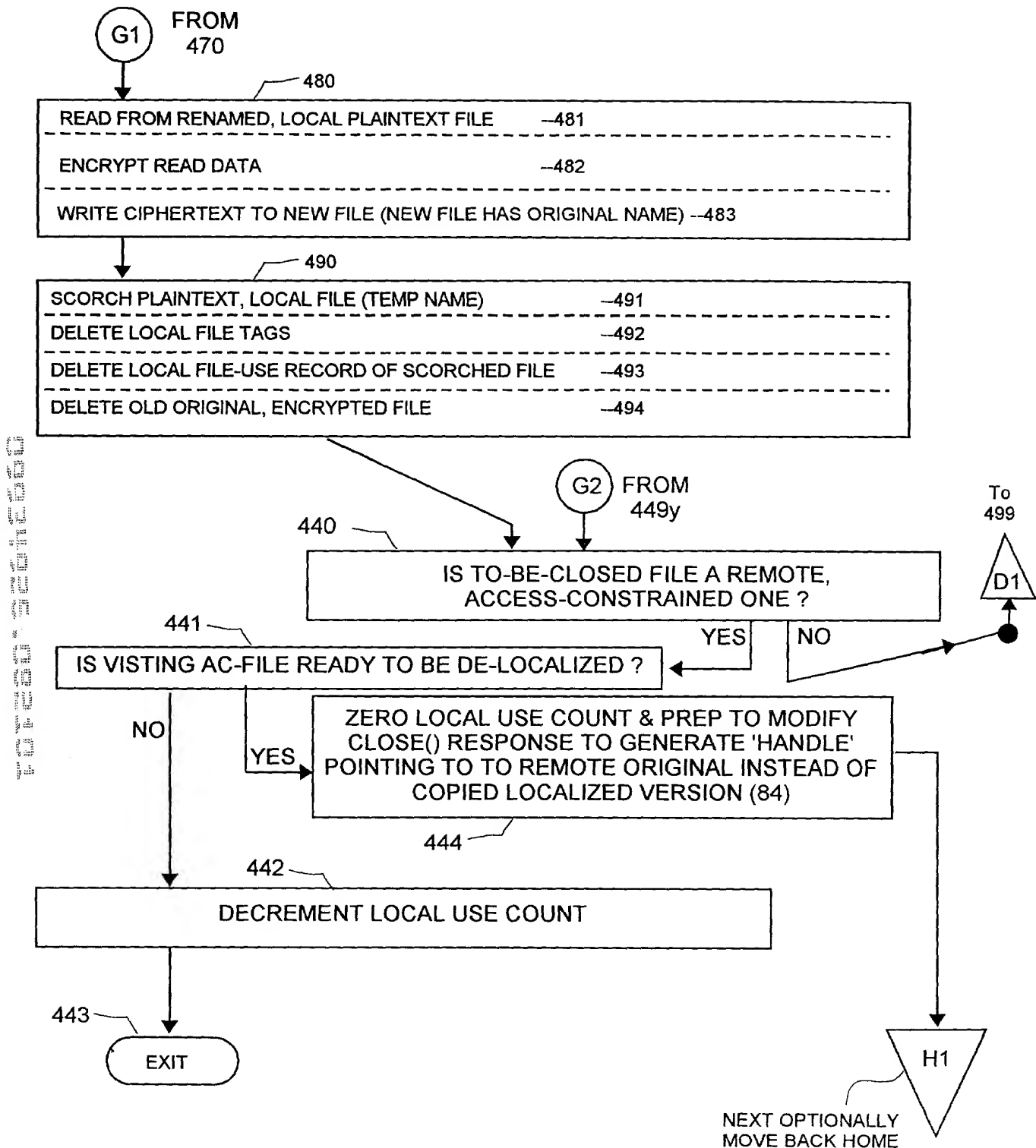
# Fig. 4B



# Fig. 4C



# Fig. 4D



# Fig. 4E

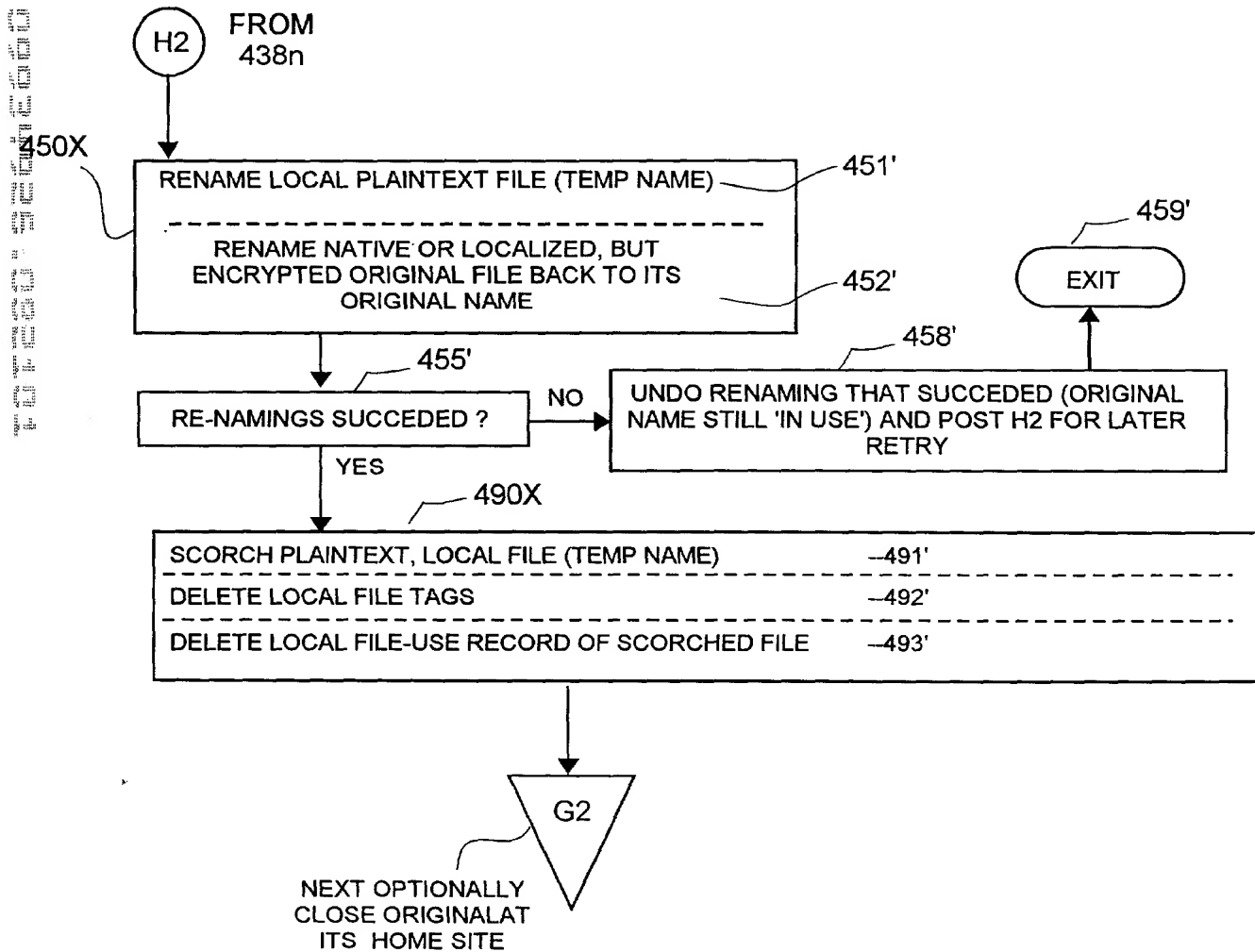
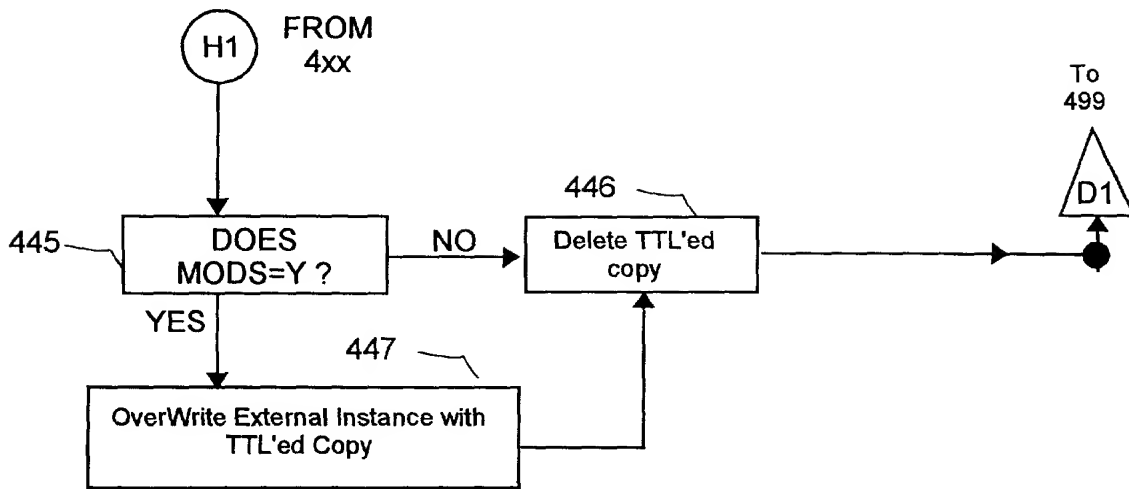




Fig. 5A

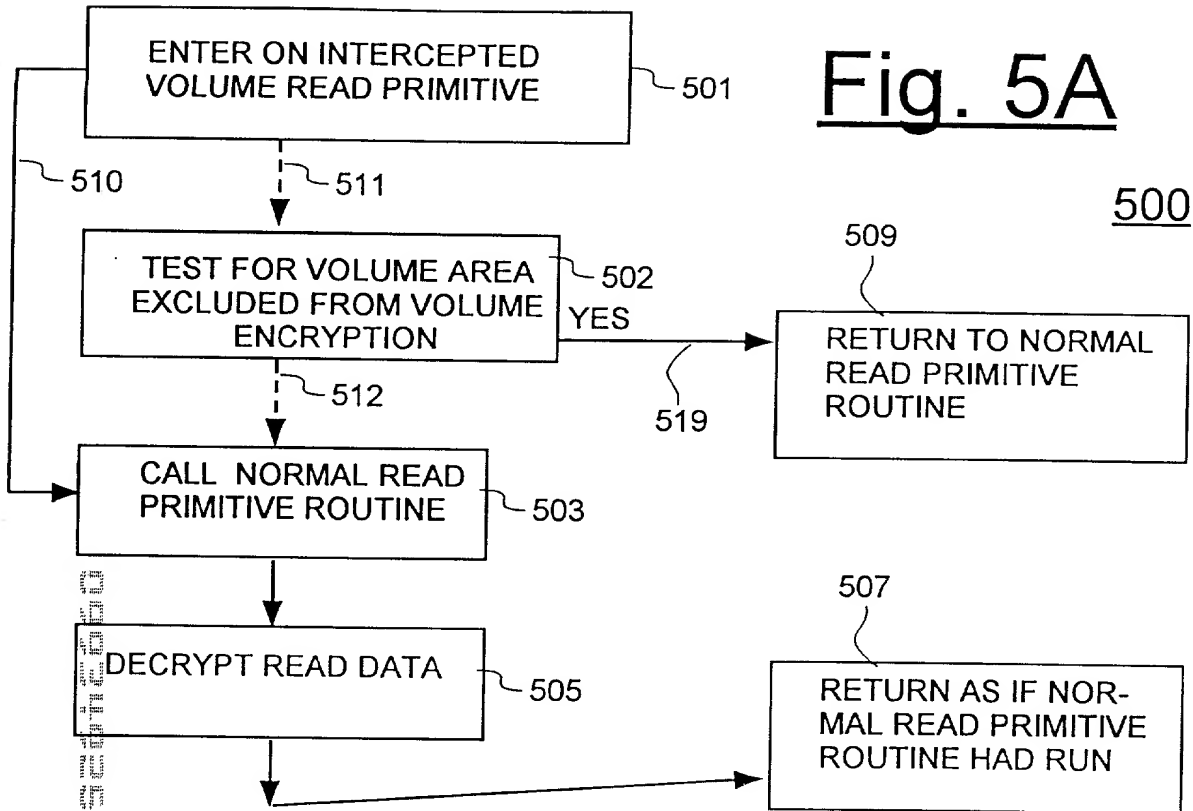
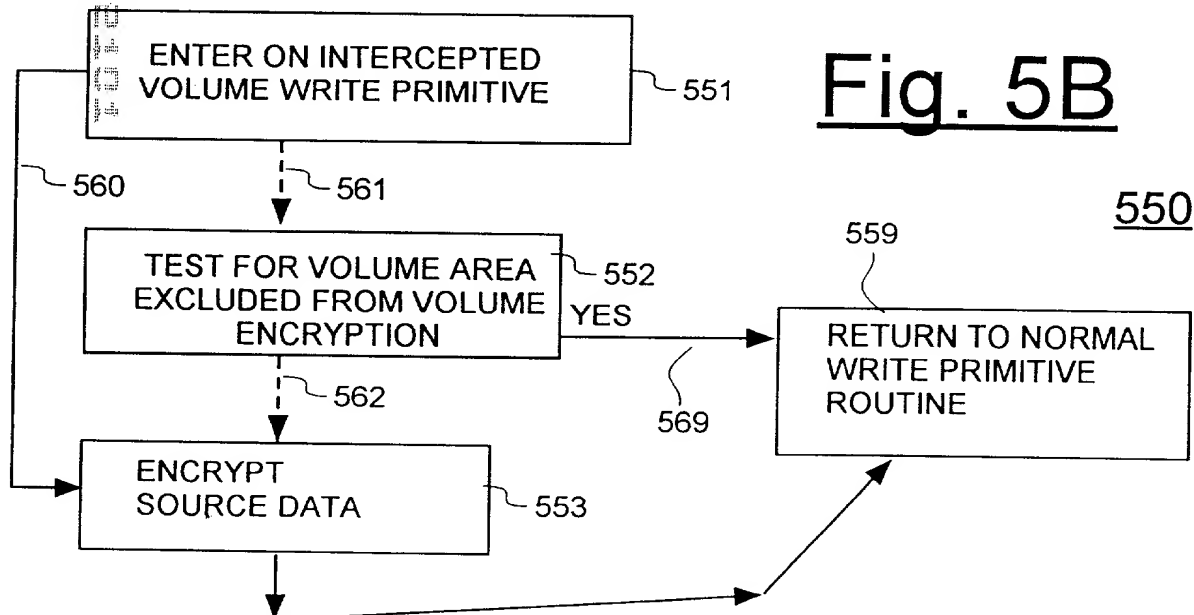


Fig. 5B

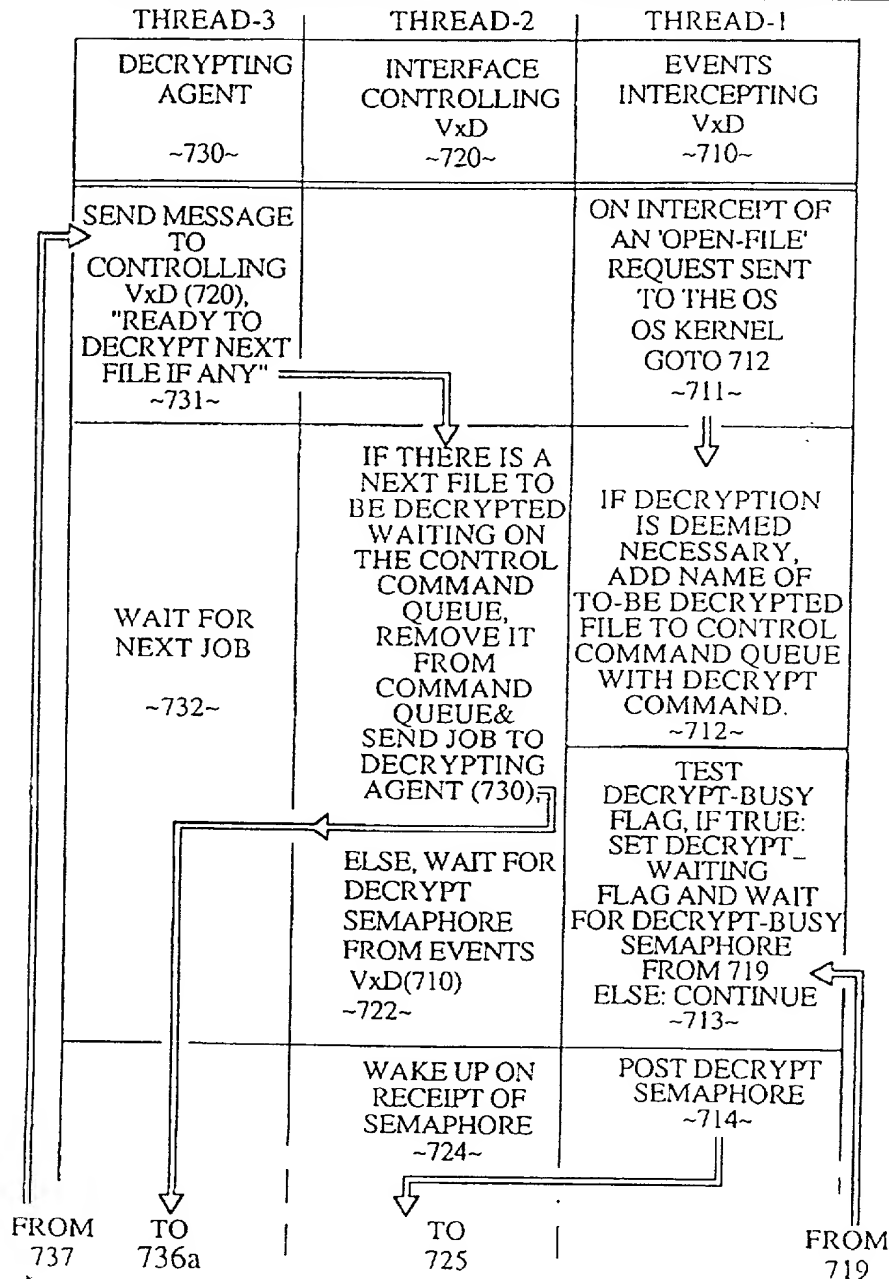


6A

700

**FIGURE 7A**

**MULTI-THREADED FLOWCHART FOR RECRYPTION PROCESS**



Sheet 18  
SYMA 1045 PR

6B

FIGURE 7B

MULTI-THREADED FLOWCHART FOR  
RECRYPTION PROCESS (CONTD)

